**Quick Genetics Quiz**

1. John has blue eyes (bb) which is a recessive trait. **Circle all** that could be **possible genotypes** of his parents.
   1. BB and bb
   2. Bb and Bb
   3. BB and Bb
   4. Bb and bb
   5. bb and bb
2. Farah took a **true-breeding** **smooth pear** tree and crossed it with a **true-breeding rough pear** tree. She got seven rough skinned pear trees as a result. What does this say about the trees? **Circle ALL** that apply. **CORRECT** any incorrect statements.
   1. The parental pear trees were both homozygous
   2. The offspring pear trees were all homozygous
   3. ‘Rough skinned’ is a dominant trait for pears.
   4. If she bred the offspring pear trees with each other, she would likely get a 3:1 ratio of smooth to rough pear trees.
   5. The genotypes here are ‘rough’ and ‘smooth’ pears.

**Quick Genetics Quiz**

1. John has blue eyes (bb) which is a recessive trait. **Circle all** that could be **possible genotypes** of his parents.
   1. BB and bb
   2. Bb and Bb
   3. BB and Bb
   4. Bb and bb
   5. bb and bb
2. Farah took a **true-breeding** **smooth pear** tree and crossed it with a **true-breeding rough pear** tree. She got seven rough skinned pear trees as a result. What does this say about the trees? **Circle ALL** that apply. **CORRECT** any incorrect statements.
   1. The parental pear trees were both homozygous
   2. The offspring pear trees were all homozygous
   3. ‘Smooth skinned’ is a recessive trait for pears.
   4. If she bred the offspring pear trees with each other, she would likely get a 3:1 ratio of smooth to rough pear trees.
   5. The genotypes here are ‘rough’ and ‘smooth’ pears